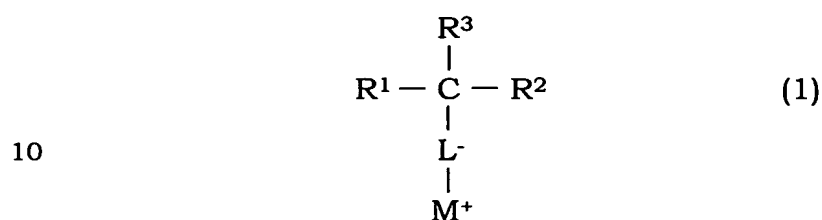


# ABSTRACT

The present invention relates to a process for preparing a fluoropolymer containing at least one kind of fluoroolefin, which  
5 comprises carrying out polymerization in the presence of a surfactant represented by the formula (1):



(wherein R<sup>1</sup> and R<sup>2</sup> may be the same or different respectively, and represent an alkyl group or an alkenyl group, R<sup>3</sup> is a hydrogen atom, an  
15 alkyl group or an alkenyl group, the total carbon number of R<sup>1</sup> to R<sup>3</sup> is 2 to 25, L<sup>-</sup> is a group represented by -SO<sub>3</sub><sup>-</sup>, -OSO<sub>3</sub><sup>-</sup>, -PO<sub>3</sub><sup>-</sup>, -OPO<sub>3</sub><sup>-</sup> or -COO<sup>-</sup>, and M<sup>+</sup> is a monovalent cation). Thereby, polymerization can be carried out with excellent production efficiency in the presence of a small amount of a surfactant, and a fluoropolymer can be prepared without  
20 lowering various physical properties such as water resistance by the surfactant.